Hidden Color Digital Video Capture Camera

COMPLETE SYSTEM

1 YEAR WARRANTY
Manufacturer Defects

Instruction Manual

SVAT

Model #
UC1700
www.svat.com

PRODUCT WARRANTY & REGISTRATION

Please visit our website at www.svat.com to apply for your products warranty registration.

The warranty registration for is located under the support tab on the SVAT website.

We take quality very seriously. This is why all of our products come with a one year warranty from the original purchase date against defects in workmanship and materials.

If you have warranty or support issues please contact us using any of the following methods:

SVAT Electronics USA
2315 Whirlpool St., Unit 333
NIagara Falls, New York
USA 14305

SVAT Electronics Canada
4080 Montrose Road
Niagara Falls, ON
Canada L2H 1J9

Phone: 866.946.7828
Fax: 888.771.1701
Email: support@svat.com
Website: www.svat.com

Warranty Terms

1. SVAT products are guaranteed for a period of one year from the date of purchase against defects in workmanship and materials. This warranty is limited to the repair, replacement or refund of the purchase price at SVAT's option.
2. When service is required, the warranty is validated by the submission of a fully completed warranty card.
3. This warranty becomes void if the product shows evidence of having been misused, mishandled or tampered with contrary to the applicable instruction manual.
4. Routine cleaning, normal cosmetic and mechanical wear and tear are not covered under the terms of this warranty.
5. The warranty expressly provided for herein is the sole warranty provided in connection with the product itself and no other warranty, expressed or implied is provided. SVAT assumes no responsibilities for any other claims not specifically mentioned in this warranty.
6. This warranty does not cover the shipping cost, insurance or any other incidental charges.
7. You MUST call SVAT before sending any product back for repair. You will be given a Return Authorization number. When returning the product for warranty service, please pack it carefully in the original box with all supplied accessories, and enclose your original receipt or copy, and a brief explanation of the problem (include RA #).
8. This warranty is valid only in Canada and the U.S.A.
9. This warranty card cannot be re-issued.

CAUTION

RISK OF ELECTRIC SHOCK, DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Graphic Symbol Explanation:

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE

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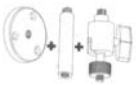
WHAT IS INCLUDED

1 Color Camera DVR


DVR Mount

1 Power Adapter

RCA to RCA
(male) Wire

- Mounting Hardware
- 1 Year Warranty
- Instruction Manual
- Online/Toll Free Tech Support

WHAT IS COMPATIBLE

The UC1700 is compatible with TVs, VCRs, and computers.

IMPORTANT SAFETY PRECAUTIONS

PLEASE READ BEFORE INSTALLING

Congratulations on your purchase of the Hidden Colour Digital Video Capture Camera. Please read these safety and operating instructions carefully before installing and using this system.

- Keep the camera, monitor and AC/DC adapter cords out of reach of children.
- Do not place the camera, monitor and AC/DC adapter cords in a crib or playpen.
- Do not use the camera near water or in damp and wet environments, such as a bathtub, laundry tub, kitchen sink, or wet basements.
- Locate the camera, monitor and or AC/DC adapters where there is adequate ventilation. Do not locate the camera in direct sunlight.
- Do not locate the camera, monitor and AC/DC adapters near heat sources such as heat registers, radiators, ovens, furnaces or other appliances with high operating temperatures.
- Do not use with extension cords. Use only the AC/DC adapters provided with this system. ***Note: Use of other adapters may damage the units and void your warranty.
- Only plug components into standard household voltage outlets (110V - 240VAC, 50Hz or 60Hz).
- Do not place cords from the AC/DC adapters, camera or monitor where they can be pinched or stepped on. Protect the cords by keeping them out of the way of children, pets and routine household traffic. Do not place heavy objects on power cords or cover cords with rugs or carpet.
- When cleaning, use a DRY, lint-free cloth. Unplug the camera, monitor and AC/DC adapters before cleaning. NEVER immerse any components in water and do not spray cleaners or solvents on the units. Doing so may damage the units or cause electrical shock.
- Unplug the AC/DC adapters from the wall outlet when the system is not in use.
- Mishandling, alterations or modifications not approved by the manufacturer will void the warranty.

CAUTION!

- Connect this unit ONLY to other compatible units. Do not connect it to any other type of alarm or auxiliary device. Connecting anything else to this unit may damage it or prevent it from operating properly.
- Do not paint over the camera.
- This system uses public airwaves for wireless operation. The sound and video may be broadcast to and picked up by other 2.4 GHz receiving devices. Conversations and images from other rooms near the camera may be broadcast and picked up. To protect your privacy, always turn the camera off when not in use.

IMPORTANT!

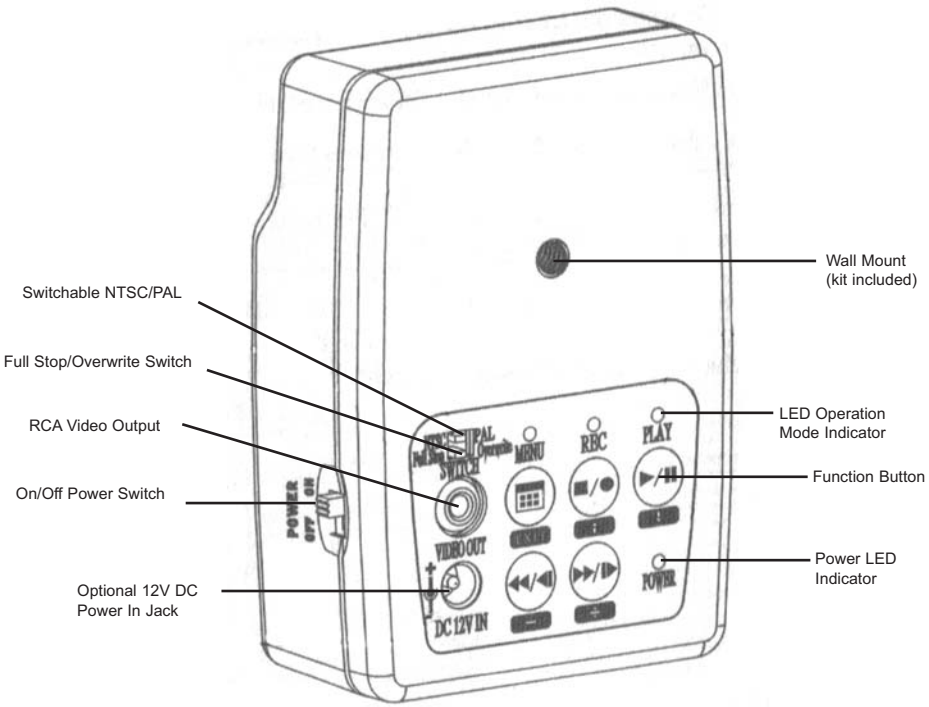
ACCESSORIES- Do not place product on an unstable cart, stand or table. The UC1700 may fall causing serious injury to a child or adult and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instruction and should use a mounting kit approved by the manufacturer.

- UC1700 equipment and cart combinations should be moved with care.
- Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn.

VENTILATION!

Slots and openings in the cabinet and the back or bottom are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect them from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video monitor on a bed, sofa, rug, or other similar surface. Video monitor or equipment receiver should never be placed near or over a radiator or heat register. Video monitor or equipment receiver should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.

PARTS OF THE SYSTEM



FUNCTION OF EACH PART

SWITCHABLE NTSC/PAL
The two most common video standards used are NTSC and PAL. NTSC is the video system or standard used in North America and most of South America. PAL is the predominant video system or standard mostly used in Europe. Please select and switch to the system that best suits your location.

FULL STOP/OVERWRITE SWITCH
To select whether to overwrite the recorded memories or to stop recording when memory is full. One may select “Overwrite”, and the memory will be overwritten starting with the oldest data first. Selecting “Full Stop” will cause the RECORD mode to STOP mode when the memory is full, and the REC LED will be unlit.

RCA VIDEO OUTPUT
To enable monitoring functions, connect one terminal to the RCA video out jack and the other terminal to the monitor (TV) video IN.

ON/OFF POWER SWITCH
Select “ON” to switch on the device, and “OFF” to switch the device off.

OPTIONAL 12V DC POWER IN JACK
This jack is optional if you would rather use the adapter as the power source. If you prefer not to use the 12V adapter, you have the option of using 4 AA batteries. (not included)

LED OPERATION MODE INDICATORS
LED light easily allows the user to distinguish the current system status. For example REC LED: when the LED lights up, this indicates that the unit is recording. When the LED is off, it indicates that the unit is not recording.

VCR TYPE CONTROLS
Stop, Record, Play, Pause, Fast Forward, Rewind and Skip buttons allow you to control the UC1700 like a VCR. Buttons most commonly used are STOP and REC. For more details, refer to the operating procedure function description table.

LED POWER INDICATOR
When the LED is lit up, it indicates that the device is powered up or turned ON. When the LED light not lit, it indicates that the power is insufficient or turned OFF.

FUNCTIONS

7-1 FUNCTION DESCRIPTION TABLE

It is important to read through and understand the function descriptions before reading how to operate this system.

MODE \ BUTTON				EXIT	■/●	▶/II	◀◀/◀II	▶▶/II▶
STOP	○ MENU	○ REC	○ PLAY	*Switch to Menu Setup Mode*	*Switch to Record Mode*	*Switch to Playback Mode*		
RECORD	○ MENU	● REC	○ PLAY		*Switch to Stop Mode*			
SETUP	● MENU	○ REC	○ PLAY					
Normal Items				*Switch to Stop Mode*	Cursor upward or leftward movement	Cursor downward or rightward movement	content change(-)	content change(+)
"Search Playback"				*Switch to Stop Mode*	Cursor upward or leftward movement	Cursor downward or rightward movement		*Switch to SearchMenu*
PLAYBACK	○ MENU	○ REC	● PLAY					
Pause				*Switch to SearchMenu*	*Switch to Stop Mode*	to Playback	Step Rewind	Step Playback
Playback				*Switch to SearchMenu*	*Switch to Stop Mode*	to Pause	Fast Rewind (X1/X2/X4..X16)	Fasr Forward (X2/X4..X16)
SEARCH MENU								
				Switch to Menu Setup Mode	Cursor upward or leftward movement	Cursor downward or rightward movement	content change(-)	content change(+)
When the cursor is move to "<Playback...>"				*Switch to Menu Setup Mode*	Cursor upward or leftward movement	Cursor downward or rightward movement		*Switch to Playback Mode*

The LED light on the front panel indicates the current OPERATION MODE or screen display status. Under a different mode, each function has different meanings. The Function Description Table clearly lists the LED light as it appears during different mode and its corresponding relations with the function buttons.

They system is mainly divided into 5 modes: **STOP, RECORD, PLAYBACK, SETUP** and **SEARCH MENU**. **PLAYBACK** mode, **RECORD** mode and **SETUP** mode may only be switched to **STOP** mode but, **STOP** mode may also be switched to **PLAYBACK** mode **RECORD** mode or **SETUP** mode. This means that one must switch to **STOP** mode before setting up **PLAYBACK** mode, **RECORD** mode and **SETUP** mode.

Under **SETUP** mode one may switch to **SEARCH MENU** mode and then to **PLAYBACK** mode.

OPERATION DESCRIPTION

POWER ON

Each time immediately after power is restored; they system proceeds with auto detection and warming up function, and then enters RECORD mode.

RECORD MODE

Under the RECORD mode the system uses two types of recording format: Continuous Recording and Motion Detection Recording. The recording format depends on the <RECORD MODE> settings on the SETUP mode. The interval of the captured frames depends on the <CAPTURE RATE> settings on the SETUP mode.

When recording has been set as continuous recording, for every fixed period of time the system will automatically record one frame and when recording is set to Motion Detection recording, for a fixed period of time the system will automatically detect any changes on the screen (Motion Detection Sensitivity Rate is adjustable according to preference).

When the memory is full and the **"Full Stop-Overwrite"** switch on the front panel is switched to **"Overwrite"**, the memory will be overwritten starting with the oldest data first, or switch to "**Full Stop**", where it will automatically enter **STOP** mode and not record any new date.

Under record mode, press << ■ >> button to enter **STOP** mode.

1) Record Status:
   MD-Motion Detection Recording
   CNT-Continuous Recording
2) Image Resolution:
   640x480
   320x240
3) Image Quality: **HIGH, MEDIUM** and **LOW**

4) The screen display shows the recorded images by value of frames.

5) The screen display shows the recorded images by percentage (0% - 100%) When the memory is full and the **"Full Stop-Overwrite"** switch on the front panel is switched to **"Overwrite"**, the word **"LOOP"** will be shown.

STOP MODE

Under stop mode, the camera will not proceed to record.When a monitor has been connected, the user may view images through the monitor.

Under this mode Press <<• >> button, to enter **RECORD**, Press << ▶>> button to enter **PLAYBACK** mode, Press <<**MENU**>> button to enter **SETUP** mode.

1) Date
2) Time
3) Recorded frames per second
4) System free space; range: 0%-100% When the memory is full (0%) and **"Full Stop Overwrite"** switch is switched to **"Full Stop",** the word **"FULL"** will be shown or switched to "Overwrite", then the word **"LOOP"** will be shown.

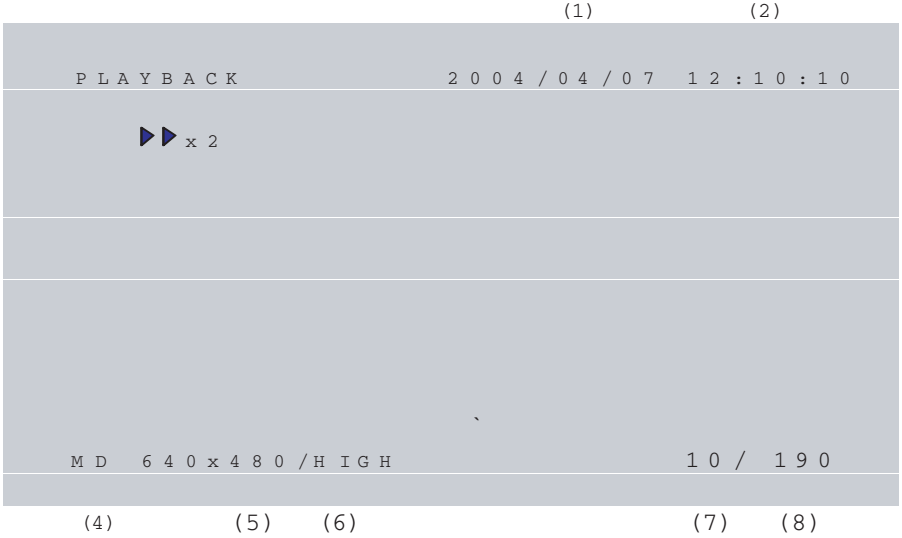
PLAYBACK MODE

After entering **PLAYBACK** mode the system automatically playbacks previously recorded video.

- There are two conditions that the system will be switched to PLAYBACK mode:
- Under STOP mode, press <<▶ >> button.
- Under SEARCH MENU mode, press <<+>> button
- Under PLAYBACK mode, press << ▶ >> button, to enable playback or to pause.

1) Under PLAYBACK mode, press <<▶▶>> button, to switch the playback forward speed (X2, X4, X8 and X16). Press <<◀◀>> button, to switch playback back ward.

- Under pause status, press <<❙▶>> button to proceed with step forward play back, press <<◀❙>> button to proceed with step rewind playback.
- Speed (X1, X2, X4, X8 and X16)



1) Record Date
2) Record Time
3) Playback status:
   ▶ : Playback
   ▶▶ : Fast Forward Playback
   ◀◀ : Fast Rewind Playback
   ❙❙ : Pause

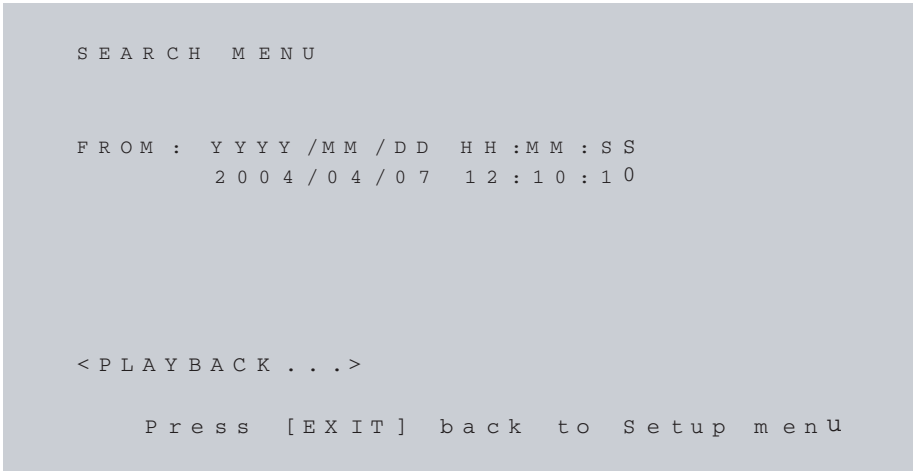
4) Record Status:
   MD: Motion Detection Record
   CNT: Continuous Record

5) Record Resolution:
   320x240
   640x480

6) Record Quality: HIGH, MEDIUM and LOW
7) Current frame number
8) Total frames recorded

SEARCH MENU MODE

The user may setup the starting time of playback under this mode. Therefore, when the system is switched to **PLAYBACK** mode it plays back video according to setup under the **SEARCH MENU** mode.



When the cursor has been moved to <**PLAYBACK...**> and <<+>> button has been pressed, the system will be switched to **PLAYBACK** mode and starts playback. Under all conditions, press <<**EXIT**>> button, the system will be switched to **SETUP** mode.

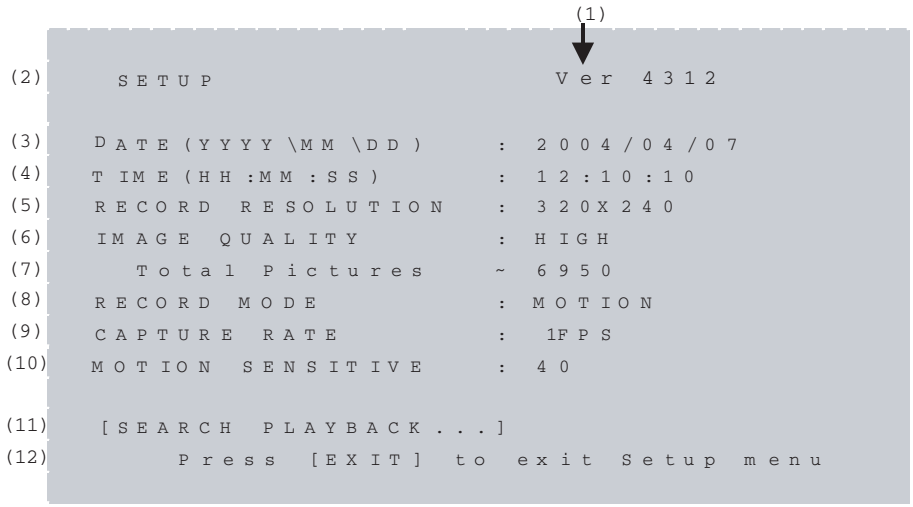
ERASE ALL FUNCTION

Instructions for erasing all of the stored information on the UC1700 follow the instructions below.

1. Power off the unit.
2. Power on the unit while holding the RECORD button.
3. Press the MENU button to confirm deletion.
4. Restart the unit to continue.

SYSTEM SETUP

All relevant system setups may be set under Menu Setup Mode, please refer to the descriptions below:


(1)
(2) SETUP Ver 4312
(3) DATE(YYYY\MM\DD) : 2004/04/07
(4) TIME(HH:MM:SS) : 12:10:10
(5) RECORD RESOLUTION : 320X240
(6) IMAGE QUALITY : HIGH
(7) Total Pictures ~ 6950
(8) RECORD MODE : MOTION
(9) CAPTURE RATE : 1FPS
(10) MOTION SENSITIVE : 40
(11) [SEARCH PLAYBACK...]
(12) Press [EXIT] to exit Setup menu

1) Software Version Number
2) Function Setup Page
3) Date Setup (Year/Month/Day)
4) Time Setup (Hour/Minute/Second)
5) Image Resolution Setup (320x240 or 640x480)
6) Image Quality Setup (HIGH/MEDIUM/LOW)
7) Indication of the estimated maximum picture storage
8) Record Mode Setup (MOTION or CONTINUE)
9) Capture Rate Setup (10SEC, 5SEC, 2SEC, 1FPS, 2FPS, 3FPS, 4FPS, 6FPS, 8FPS and MAX). 10SEC refer to 10 seconds per frame recording and so forth. 2FPS refers to 2 frames per second and so forth. MAX refers to full speed recording (when recording resoltion is set to 320x240 and the recording is at approximately 15FPS or set to 640x480 and the recording is at approximately 8FPS.
10) Motion Detection Sensitivity Rate setup: 1~99. The smaller the value, the higher the sensitivity rate. Please refer to the display seen on the monitor for accuracy.
11) [Search Playback...]: When the cursor moves to [Search Playback...], press <<+>> button to “SEARCH MENU” mode, to setup playback starting time.
12) Operation Indication
13) Basic Operation: Press the <↓> or <↑> button, to move the cursor, press <+> or <-> button, to make changes on the content.

SPECIFICATIONS

INDOOR DVR

Functionality .....Simplex
Video Compression MPEG4
Resolution 640x480, 320x240
Recording Frame Rate .....Max 30 FPS
Recording Times .....**64MB model** ~ High Quality: 33 minutes
Low Quality: 133 minutes
128MB model ~ High Quality: 66 minutes
Low Quality: 266 minutes
256MB model ~ High Quality: 133 minutes
Low Quality: 566 minutes
Recording Resolution 640x480, 320x240
Recording Qualities .....High, Medium, Low
Recording Modes .....Manual, Motion Detection
Recording Method .....Single
Recording Media .....Flash Memory: 64MB, 128MB, 256MB Models
Video Format .....NTSC/PAL
Video Loss .....N/A
Video Inputs .....Built-in camera
Video Display Output .....1ch RCA Composite
Live Viewing .....Single Screen
Live Resolution .....640 x 480
Live Frame Rate .....30 FPS
Play Search Mode .....By Date, Time
Play Speed .....Forward/Rewind: x1/x4/x8/x16/x32
Play Mode .....Single Screen
OSD and System Menu Display .....Yes
OSD Language Display .....English
Time and Date Stamp Display .....Yes
Password Protection .....N/A
Network Protocol .....N/A
Network LAN IP .....N/A
Network Connection .....N/A
Operating System .....Linux based

Processor	Proprietary
Disk Full Warning	Full Stop
Automatic Overwrite Option	Yes
LED Indicators	Power, Record, Play, Menu
Housing Material	ABS Plastic
Housing Color	Platinum Silver
Battery Operable	Yes, 4 AA
Battery Life	6-8 hours
Power Input	DC 12V
Power Adapter Input	AC 110V
Cooling	N/A
Operating Temperature	41°F ~ 105°F
Operating Humidity	81%
Dimensions	3.9" x 2.7" x 1.4"
Weight	0.35lbs

CAMERA

Camera Type	Built-in
Image Sensor	1/4" CMOS Color sensor
Resolution	330 TV Lines
Outdoor Use	No
IP Rating	N/A
Focal Length	3.7mm
Focus Type	Fixed
Night Vision	N/A
Number of IR LEDs and Range	N/A
IR LED Control	N/A
Min. Illumination	2 lux
IR Wavelength	N/A
Video Output	Built-in
TV System	NTSC/PAL
Microphone	N/A
Motion Detection	Yes
Viewing Angle	68 Degrees
Electronic Shutter	1/60~1/15,000

BLC .....N/A
AGC.....N/A
ELC .....N/A
Line Lock.....N/A
Iris Control.....N/A
White Balance .....N/A
Sun Shield.....N/A
IR Cut Filter.....N/A
Housing Material .....ABS Plastic
Housing Color .....Platinum Silver
Signal/Noise Ratio.....>46dB
Camera Bracket .....N/A
Operating Temperature .....41°F ~ 105°F
Operating Humidity 81%
Camera Power Input .....N/A
Power Adapter Input .....N/A
LED Power Indicator .....N/A

SVAT SUPPORTS CRIME STOPPERS

Crime Stoppers programs are operated as non-profit charities and are managed by a volunteer board of directors who raise funds and pay rewards to individuals who anonymously call with information that helps solve crime.
Rewards are paid for tips that lead to the arrest and indictment of people charged with felony offenses, and to date Crime Stoppers statistics show a conviction rate of approximately 95%.

To receive more information about Crime Stoppers or to make a charitable donation please fill in the fields on the back of this page, cut on the dotted line and mail in.

PLACE POSTAGE HERE

CRIME STOPPERS INTERNATIONAL
P.O. Box 614
Arlington, Texas
U.S.A 76004-0614

SVAT ELECTRONICS
Now you Can See

SVAT SUPPORTS CRIME STOPPERS

To receive more information about Crime Stoppers or to make a charitable donation please fill in the fields below, cut on the dotted line and mail in.

CRIME STOPPERS INTERNATIONAL

Crime Stoppers International is an organization of community based civilian Crime Stoppers programs, which assist police in solving crime. You can find more information about Crime Stoppers at www.c-s-i.org

Local Crime Stoppers programs are partnerships between the public, media and local policing organizations. Each program is run by a citizen board, whose purpose is to advertise a local telephone number, which anonymous persons can call with information regarding a crime. Callers (tipsters) may be eligible for a cash reward for their information.

If your community does not have a Crime Stoppers program and would like information about starting one, return this card with the following information.

NAME:_____ PHONE:_____

ADDRESS:_____ CITY:_____

PROV/STATE:_____ COUNTRY:_____ POSTAL/ZIP CODE:_____

E-MAIL ADDRESS:_____

Charitable donations can be made to “CSI” by returning this card in an envelope with your check or money order to the address on the other side.

Amount $_____

THANK YOU

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UC1700

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SPY EYE undercover

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